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FINAL REPORT
CARLSON STAHLHEIM MAINTENANCE
MCCONE COUNTY, MONTANA

February, 1989

L. C. HANSON COMPANY
CONSULTING ENGINEERS & SURVEYORS
HELENA — GREAT FALLS — GLENDIVE

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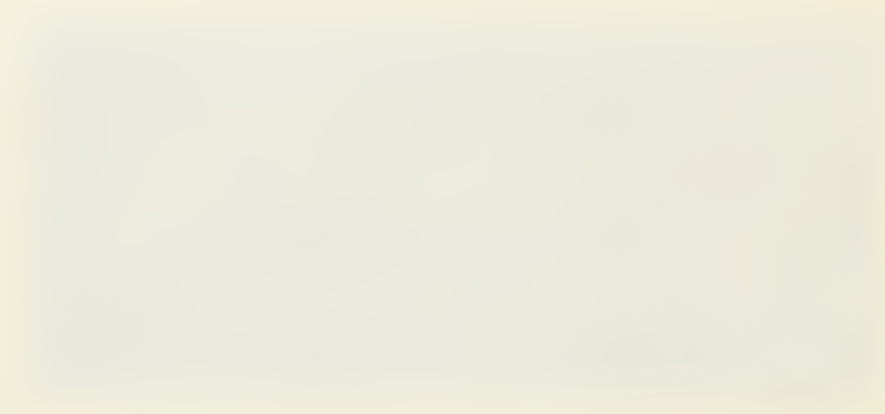
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Prepared for:
DEPARTMENT OF STATE LANDS
Abandoned Mine Reclamation Bureau
1625 11th Avenue
Helena, MT 59620

Prepared by:
L.C. HANSON COMPANY
Consulting Engineers
PO Box 299
Helena, MT 59624

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CONSULTING ENGINEERS & SURVEYORS
HELENA — GREAT FALLS — GLENDIVE



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FINAL REPORT
CARLSON-STAHLEHEIM MAINTENANCE

I. INTRODUCTION

During the Winter of 1987/1988, it was noted from the air that an area of subsidence had not been reclaimed during the original CARLSON-STAHLEHEIM Reclamation Project.

The Montana Department of State Lands directed L.C. Hanson Company to have the subsidence area reclaimed under a maintenance contract.

The area of work was located in Section 22, T25N, R47E in McCone County, MT.

II. DESCRIPTION OF MAINTENANCE WORK

On April 15, 1988, Schillinger Construction of Vida, MT, completed a maintenance project at the CARLSON-STAHLEHEIM site. The maintenance consisted of building access to, and regrading and backfilling of three subsidence holes. The subsidence holes were in an area of approximately 1/2 acre.

The work was completed with a Case 580 Backhoe/Front-End Loader. The Contractor completed the work in one day at a TOTAL COST of \$560.00.

The area was revegetated by using the required fertilizer and seed supplied by the Montana Department of State Lands. Straw mulch was purchased locally and applied. Access areas which were leveled to permit access were also revegetated.

III. COST SUMMARY

The attached Contractor's invoice notes the costs of this work.

IV. SLIDES

The Slides and Slide Log for this project are attached.



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DAVE L. SCHILLINGER, CONSTRUCTION



ROAD BUILDING

Rural Route 2
Vida, Montana 59274
(406) 525-3214
Mobile: (406) 773-4734
OIL FIELD LOCATIONS



LAND LEVELING

1147

S.C. Hanson Co.

115 West Valentine

Glenline, Montana 59330

DATE April 14 1988

PUR. ORD. NO.

NAME OF WELL OR JOB

MONT

N.D.

DESCRIPTION
OF WORK

Mine in backhoe.
Remove top soil, shape location and respread top soil.
Spread straw on location.
Move hoe home.

UNIT NO.	EQUIPMENT OR VEHICLES USED	HOURS	RATE	AMOUNT
	CRAWLER & DOZER			
	82-30 TEREX CRAWLER & DOZER			
	82-40 TEREX CRAWLER & DOZER			
	TS-14 SCRAPER W/RIPPER			
	TS-18 TEREX SCRAPER			
	MOTOR PATROL			
	TANDEM DIESEL WINCH TRUCK W/TANDEM TRAILER			
	TANDEM DIESEL TRUCK W/TANDEM TRAILER			
	TANDEM DIESEL TRUCK W/3 AXLE LOWBED			
	TANDEM DIESEL TRUCK W/HYDRAULIC CRANE BOOM & TANDEM TRAILER			
	PICKUP			
	backhoe	12	40 ⁰⁰	480 ⁰⁰
	straw haul and delivered		30	30 ⁰⁰
	Extra man	5	10 ⁰⁰	50 ⁰⁰

NAME OF EMPLOYEE AS SIGNED

TIME WORKED

A.M.

P.M.

A.M.

P.M.

A.M.

P.M.

A.M.

P.M.

A.M.

P.M.

A.M.

P.M.

code 440

CK# 9704

5/24/88

\$ 560⁰⁰

SUBSTANCE

OTHER
CHARGES

PAY ITEMS APPROVED BY TDK Tom Klempel
QUANTITIES CONCURRED BY ELL El Jaxon

TERMS: ALL ACCOUNTS DUE & PAYABLE BY THE 10TH OF THE MONTH FOLLOWING DATE OF PURCHASE. FINANCE CHARGE IS COMPUTED BY A "PERIODIC RATE" OF 1 1/2% PER MONTH (OR A MINIMUM CHARGE OF 75 CENTS FOR BALANCES UNDER \$50.00) WHICH IS AN ANNUAL PERCENTAGE RATE OF 18% APPLIED TO THE PREVIOUS BALANCE AFTER DEDUCTING CURRENT PAYMENTS AND/OR CREDITS APPEARING ON THIS STATEMENT.

DAILY
TOTAL

\$

560⁰⁰

SIGNED

PLEASE PAY FROM THIS INVOICE

White - Original, Yellow - Duplicate Original, Pink - Customer Copy

SLIDE LOG

CARLSON-STAHLEHEIM MAINTENANCE

1.	4/15/88	Area reclaimed in 1988
2.	4/15/88	Area before from access road
3.	4/15/88	Area done in 1988
14.	4/15/88	Crew - Dave and Rich Schillinger
5.	4/15/88	Area from hill
6.	4/15/88	Access Area #1 before
7.	4/15/88	Area before
8.	4/15/88	Working at subsidence
9.	4/15/88	Straw bales
10.	4/15/88	Case 580 Backhoe
11.	4/15/88	Complete
12.	4/15/88	North area without mulch
13.	4/15/88	North area without mulch
15.	4/15/88	Complete and mulched - tucking
17.	4/15/88	Access road
18.	4/15/88	Area north complete
19.	4/15/88	Contractor's pickup
20.	4/15/88	Complete
21.	4/15/88	Mine done looking northwest
24.	4/15/88	1989 Contractor, Dave Schillinger

